

Elements of NLA

Intuitive (NLE-type) interface for manipulating clips from sources containing e.g. poses, shapes etc

Retiming (offsetting, scaling, cycling, warping)

Transitioning (clip-to-clip)

Blending (arbitrary blends of multiple clips)

Compounding behaviour & layering of effects atop motion

Non-destructive use of motion clips

Ability to retarget motion sources

NLA and Shape
Animation/Audio/Images

• Workflows for NLA systems informed by

• Video and film editing NLE systems

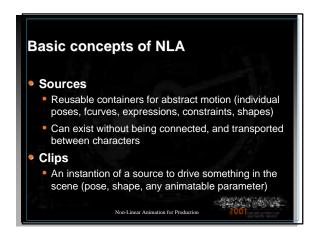
• Audio (samples, clips) processing systems

• Experience gained with shape animation

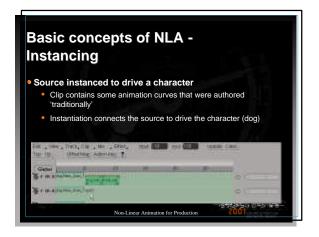
• Transitioning shape keys

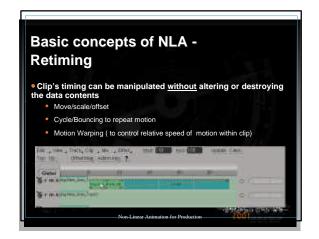
• Mixing shape keys



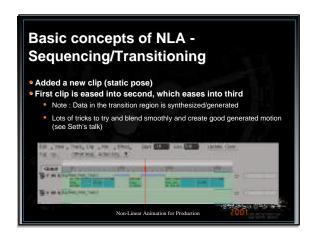






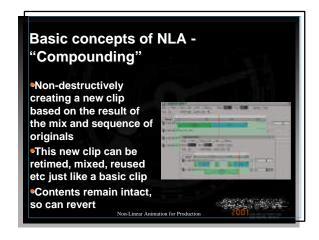


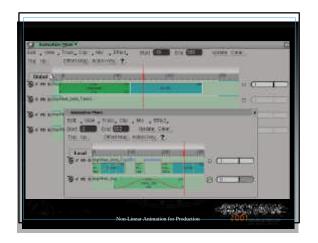


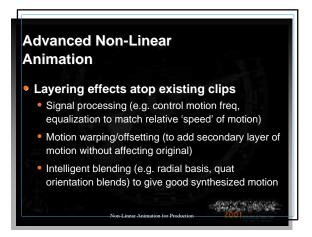














Non-Linear Animation - Motion Capture Finishing Tool ? Combine/blend motion capture data with the work of character animators and storyboarders Basic mixing/sequencing mocap clips against animation/poses Layering keyed motion atop existing clips See SIGGRAPH97 Panel - Motion Capture vs Animation However - a good NLA system is in no way limited to motion capture or finishing







